

### **LISTING OF THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

#### **Listing of Claims:**

1. (Original) A system for automatically populating medical device data into one or more databases, comprising:

- a system controller including a processor and a computer readable medium, wherein the computer readable medium includes instructions executable by the processor to:
  - receive a data set comprising objective data collected by a physician, the objective data comprising objective data about a first patient;
  - receive a data set comprising subjective data collected by a physician, the subjective data comprising subjective data about the first patient;
  - automatically validate the objective data and the subjective data, and if valid, populate the objective data and the subjective data into a first database having one or more database records associated with the first patient;
  - receive a first data set from an implantable medical device that is associated with the first patient, the first data set having a first date and time stamp associated with it;
  - receive a second data set from an implantable medical device that is associated with the first patient, the second data set having a second date and time stamp associated with it;
  - populate the first data set into the one or more database records associated with the first patient, wherein the first date and time stamp is configured to act as a first database record locator associated with the first patient; and

populate the second data set into the one or more database records associated with the first patient, wherein the second date and time stamp is configured to act as a second database record locator associated with the first patient.

2. (Original) The system as recited in claim 1, wherein the computer readable medium further comprises instructions executable by the processor to:
  - receive objective data, subjective data and implantable medical device data associated with additional patients; and
  - populate the objective data, subjective data and implantable medical device data into one or more database records of the first database associated with each of the additional patients.
3. (Original) The system as recited in claim 2, wherein the computer readable medium further comprises instructions executable by the processor to:
  - provide third party access to at least a portion of the first database.
4. (Original) The system as recited in claim 2, wherein the computer readable medium further comprises instructions executable by the processor to:
  - populate a second database with at least a portion of the data from the first database; and
  - provide third party access to at least a portion of the second database.
5. (Original) The system as recited in claim 2, wherein the computer readable medium further comprises instructions executable by the processor to:
  - populate a second database with at least a portion of the data from the first database; and
  - transmit the second database to one or more third party systems for access.

6. (Original) The system as recited in claim 1, wherein the first data set and the second data set from the implantable medical device is in a first format, and wherein the computer readable medium further comprises instructions executable by the processor to:
  - convert the first data set and the second data set implantable medical device from the first format to a second format; and
  - automatically populate the first database with data from the second format.
7. (Original) The system as recited in claim 6, wherein the first format comprises a binary data, and the second format comprises an extensible mark-up language (XML) format.
8. (Original) The system as recited in claim 1, wherein the computer readable medium further comprises instructions executable by the processor to:
  - validate the first set and the second set of implantable data prior to populating it into the first database.
9. (Original) A medical information system, comprising:
  - means for receiving objective data and subjective data collected by a physician about a first patient;
  - means for populating the objective data and the subjective data into a first database having one or more database records associated with the first patient;
  - means for receiving a first data set and a second data set from an implantable medical device that is associated with the first patient, the first data set having a first date and time stamp associated with it, and the second data set having a second date and time stamp associated with it;
  - means for populating the first data set into the one or more database records associated with the first patient, wherein the first date and time stamp is configured to act as a first database record locator associated with the first patient; and

means for populating the second data set into the one or more database records associated with the first patient, wherein the second date and time stamp is configured to act as a second database record locator associated with the first patient.

10. (Original) The system as recited in claim 9, wherein the computer readable medium further comprises instructions executable by the processor to:

receive objective data, subjective data and implantable medical device data associated with additional patients; and  
populate the objective data, subjective data and implantable medical device data into one or more database records of the first database associated with each of the additional patients.

11. (Original) The system as recited in claim 10, further comprising:

means for providing third party access to at least a portion of the first database.

12. (Original) The system as recited in claim 10, further comprising:

means for populating a second database with at least a portion of the data from the first database; and  
means for providing third party access to at least a portion of the second database.

13. (Original) The system as recited in claim 10, further comprising:

means for populating a second database with at least a portion of the data from the first database; and  
means for transmitting the second database to one or more third party systems for access.

14. – 17. (Cancelled)

18. (Original) A system for automatically populating medical data into a database, comprising:

- a microprocessor based controller;
- a computer readable medium, wherein the computer readable medium includes instructions executable by the microprocessor based controller to:
  - receive a first data set from an implantable medical device that is associated with a first patient, the first data set having a first date and time stamp associated with it;
  - receive a second data set from an implantable medical device that is associated with the first patient, the second data set having a second date and time stamp associated with it;
  - automatically populate the first data set into a first database having one or more database records associated with the first patient, wherein the first date and time stamp is configured to act as a first database record locator associated with the first patient; and
  - automatically populate the second data set into the first database having one or more database records associated with the first patient, wherein the second date and time stamp is configured to act as a second database record locator associated with the first patient.

19. (Original) The system as recited in claim 18, wherein the computer readable medium further comprises instructions executable by the microprocessor based controller to:

- receive objective data and subjective data collected by a physician about the first patient; and
- automatically populate the objective data and the subjective data into the first database having one or more database records associated with the first patient.

20. (Original) The system as recited in claim 19, wherein the computer readable medium further comprises instructions executable by the microprocessor based controller to:
- validate the objective data and the subjective data prior to automatically populating it into the first database.
21. (Original) The system as recited in claim 19, wherein the computer readable medium further comprises instructions executable by the microprocessor based controller to:
- receive objective data, subjective data and implantable medical device data associated with additional patients; and
  - populate the objective data, subjective data and implantable medical device data into one or more database records of the first database associated with each of the additional patients.
22. (Original) The system as recited in claim 21, wherein the computer readable medium further comprises instructions executable by the microprocessor based controller to:
- provide third party access to at least a portion of the first database.
23. (Original) The system as recited in claim 21, wherein the computer readable medium further comprises instructions executable by the microprocessor based controller to:
- populate a second database with at least a portion of the data from the first database; and
  - provide third party access to at least a portion of the second database.
24. (Original) The system as recited in claim 21, wherein the computer readable medium further comprises instructions executable by the microprocessor based controller to:
- populate a second database with at least a portion of the data from the first database; and
  - transmit the second database to one or more third party systems for access.

25. (Original) The system as recited in claim 18, wherein the first data set and the second data set from the implantable medical device is in a first format, and wherein the computer readable medium further comprises instructions executable by the microprocessor based controller to:

convert the first data set and the second data set implantable medical device  
from the first format to a second format; and  
automatically populate the first database with data from the second format.

26. – 27. (Cancelled)

28. (Original) A method for automatically populating medical data into a database, the method comprising:

receiving a first data set from an implantable medical device that is associated  
with a first patient, the first data set having a first date and time stamp  
associated with it;

receiving a second data set from an implantable medical device that is  
associated with the first patient, the second data set having a second  
date and time stamp associated with it;

automatically populating the first data set into a first database having one or  
more database records associated with the first patient, wherein the first  
date and time stamp is configured to act as a first database record  
locator associated with the first patient; and

automatically populating the second data set into the first database having one  
or more database records associated with the first patient, wherein the  
second date and time stamp is configured to act as a second database  
record locator associated with the first patient.

29. (Original) The method as recited in claim 28, further comprising:

receiving objective data and subjective data collected by a physician about the first patient; and  
automatically populating the objective data and the subjective data into the first database having one or more database records associated with the first patient.

30. (Original) The method as recited in claim 29, further comprising:  
validating the objective data and the subjective data prior to automatically populating it into the first database.
31. (Original) The method as recited in claim 29, further comprising:  
receiving objective data, subjective data and implantable medical device data associated with additional patients; and  
populating the objective data, subjective data and implantable medical device data into one or more database records of the first database associated with each of the additional patients.
32. – 37. (Cancelled)